

METHOD AND APPARATUS PROVIDING COMPUTER UNDERSTANDING AND
INSTRUCTIONS FROM NATURAL LANGUAGE

ABSTRACT OF THE DISCLOSURE

Computer understanding and generation of computer instructions from natural
5 language dialog utilizes using processes and data structures that map natural language
utterances to computer program modules. A series of dictionaries, including a subject
area dictionary, a program module subdictionary, an argument subdictionary and a value
subdictionary are built and used by a computer instruction generator program to map
natural language utterances to computer instructions. Selection of appropriate computer
10 program modules is performed using matching algorithms and is enhanced using
historically successful probability-based data.

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